

Life Sciences: Agri-Chemical Industry

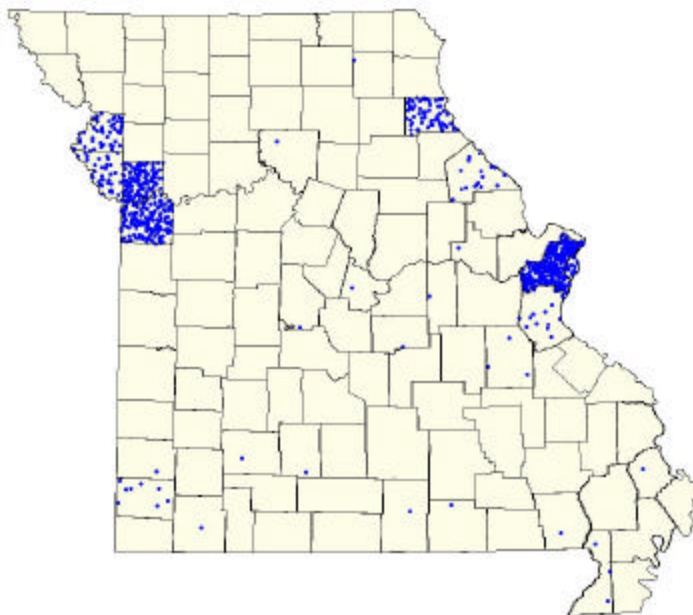
INDUSTRY DESCRIPTION

The Life Sciences Agri-Chemical industry includes firms engaged in the manufacture of agricultural pesticides, fertilizers and other chemicals. This industry is a compilation of several sectors: nitrogenous fertilizers (SIC 2873); phosphate fertilizers (SIC 2874); other mixed fertilizers (SIC 2875); and other pesticides and agricultural chemicals (SIC 2879).

LIFE SCIENCES: AGRI-CHEMICAL INDUSTRY MISSOURI INDICATORS, 1990-2000

	1990	2000	Percent Change
Total Employment	3,679	4,569	24.2% ↑
Total Wages (Millions, 2000 Dollars)	\$175.1	\$537.6	207.0% ↑
Annual Wage Per Job (2000 Dollars)	\$47,598	\$117,584	147.0% ↑
Total Firms	37	59	59.5% ↑

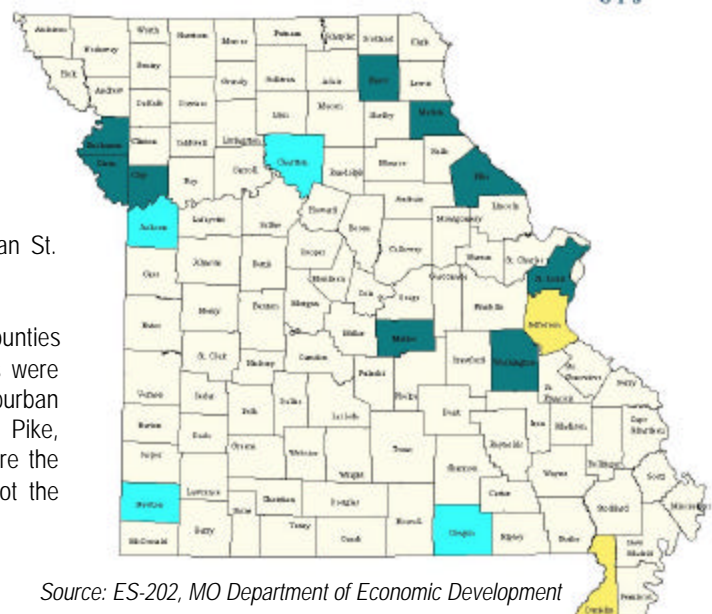
Source: ES-202, MO Department of Economic Development



• = 5 Jobs

Specialization Ratios

- High Specialization (SR > 1.5)
- Above Average Specialization (SR = 1.05 - 1.5)
- Average Specialization (SR = .95 - 1.05)
- Below Average Specialization (SR = .500 - .95)
- Low Specialization (SR < .50)

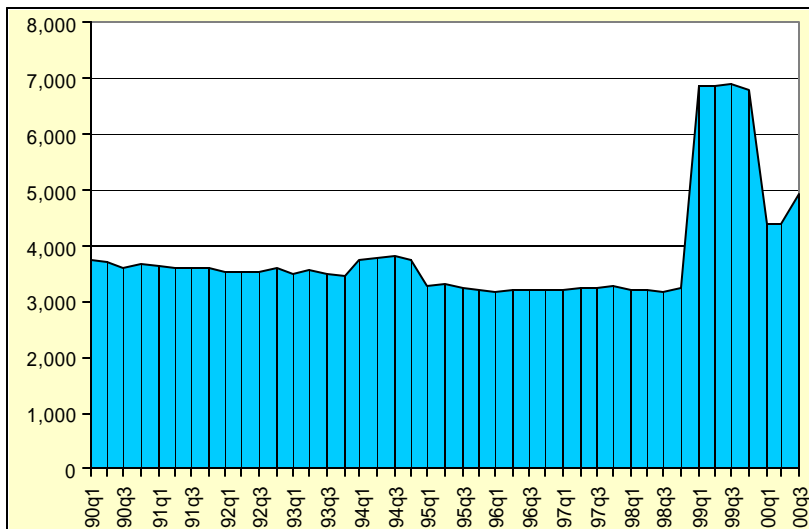


EMPLOYMENT AND SPECIALIZATION, 2000

In 2000, the majority of agri-chemical jobs were located in suburban St. Louis, Kansas City, Hannibal and St. Joseph.

According to specialization ratios (location quotients), 9 Missouri counties were highly specialized in agri-chemical employment. These areas were concentrated in northeast Missouri, Kansas City, St. Joseph, and suburban St. Louis. The most specialized counties in the state were Marion, Pike, Clay, Knox, and Buchanan. It is important to note that SRs measure the proportion of industry employment relative to the state average, not the total number of jobs.

Source: ES-202, MO Department of Economic Development

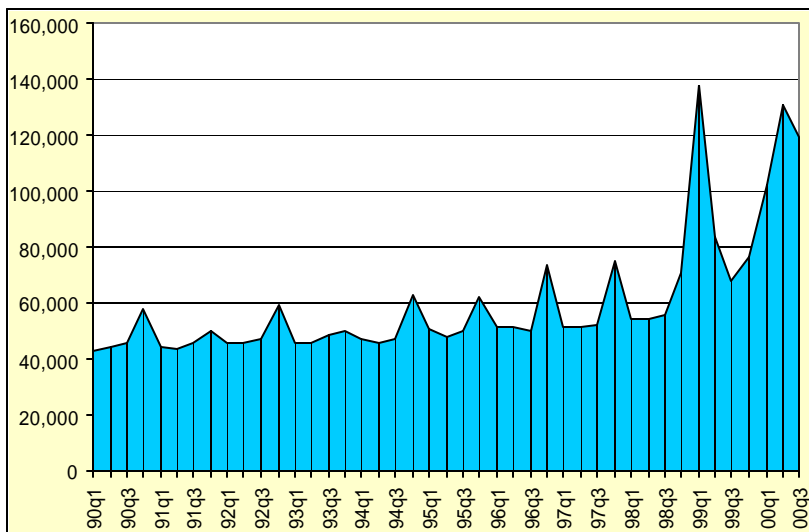


EMPLOYMENT TRENDS, 1990-2000

Agri-chemical employment in Missouri has remained fairly steady through the last decade, with significant increases during 1999. The most current data estimates 4,929 agri-chemical jobs during 3rd quarter 2000.

Employment was highest during 3rd quarter 1999, with 6,915 jobs. In fact, employment levels were significantly higher during all of 1999. Employment was lowest during 3rd quarter 1998, with 3,172 jobs.

Source: ES-202, MO Department of Economic Development



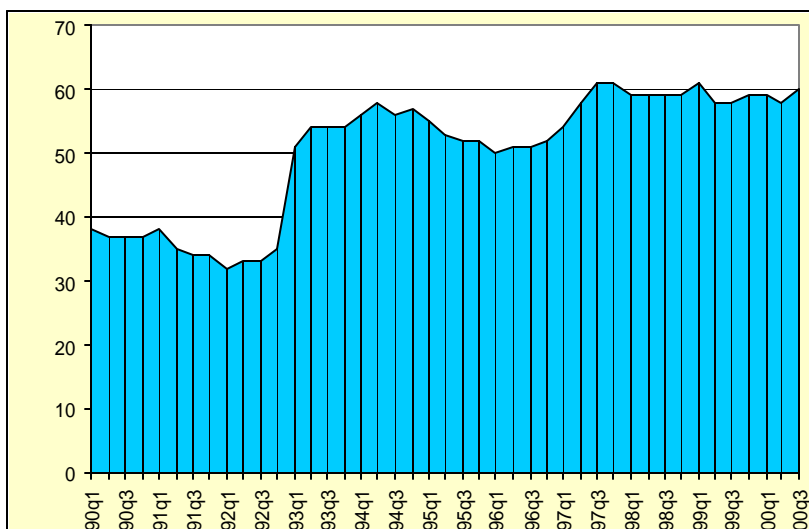
ANNUAL AVERAGE WAGE PER JOB TRENDS, 1990-2000

Annual average wages per job in the agri-chemical industry in Missouri has substantially increased since 1990. The most current data estimates an astounding average wage per job of \$119,271 during 3rd quarter 2000 - significantly higher than the state average wage of \$30,497. During the past decade, average wages per job showed peaks during 1st quarter - indicating seasonality.

Average wages per job were highest during 1st quarter 1999, at \$137,713 per job. Average wages per job were lowest during 1st quarter 1990, at \$42,828 per job.

Wages adjusted to 2000 real dollars.

Source: ES-202, MO Department of Economic Development



FIRM TRENDS, 1990-2000

The number of agri-chemical firms in Missouri has increased steadily since 1990 - with fast growth during 1993. After a rise in 1997, firm numbers have remained fairly steady. The most current data estimates 60 agri-chemical firms during 3rd quarter 2000.

Firms were most numerous during the last half of 1997 and during 1st quarter 1999, at 61 establishments. Firms were least numerous during 1st quarter 1992, at 32 establishments.

Source: ES-202, MO Department of Economic Development

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